

Title (en)  
Exhaust emission control system of internal combustion engine

Title (de)  
System zur Regelung der Abgasemissionen einer Brennkraftmaschine

Title (fr)  
Système de contrôle des émissions d'un moteur à combustion interne

Publication  
**EP 1477652 A2 20041117 (EN)**

Application  
**EP 04010840 A 20040506**

Priority  
JP 2003137748 A 20030515

Abstract (en)  
An exhaust purifying device is arranged in an exhaust gas passage extending from an internal combustion engine. The exhaust purifying device includes a NOx trapping catalyst that traps NOx in the exhaust gas when an exhaust air/fuel ratio is leaner than stoichiometric and releases the trapped NOx therefrom when the exhaust air/fuel ratio is richer than stoichiometric, and a particulate filter that collects a particulate matter in the exhaust gas. A condition detecting device is arranged to detect a condition of the particulate filter. An exhaust air/fuel ratio control device is arranged to control the exhaust gas from the engine in such a manner that the exhaust gas has a target exhaust air/fuel ratio. When the exhaust air/fuel ratio is changed from a stoichiometric or richer side to a leaner side, the exhaust air/fuel ratio control device varies the exhaust air/fuel ratio under the leaner air/fuel exhaust condition in accordance with the condition of the particulate filter. <IMAGE>

IPC 1-7  
**F02D 41/02**

IPC 8 full level  
**F02D 43/00** (2006.01); **F01N 3/02** (2006.01); **F01N 3/08** (2006.01); **F01N 3/28** (2006.01); **F02D 21/08** (2006.01); **F02D 41/02** (2006.01); **F02D 41/04** (2006.01); **F02D 41/00** (2006.01); **F02D 41/40** (2006.01)

CPC (source: EP US)  
**F02D 41/0275** (2013.01 - EP US); **F02D 41/028** (2013.01 - EP US); **F02D 41/029** (2013.01 - EP US); **F02D 41/0055** (2013.01 - EP US); **F02D 41/1446** (2013.01 - EP US); **F02D 41/405** (2013.01 - EP US); **F02D 2200/0802** (2013.01 - EP US); **F02D 2200/0812** (2013.01 - EP US); **F02D 2200/0818** (2013.01 - EP US)

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Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 1477652 A2 20041117**; **EP 1477652 A3 20050601**; CN 1317498 C 20070523; CN 1550646 A 20041201; JP 2004340032 A 20041202; JP 4052178 B2 20080227; US 2004226284 A1 20041118; US 7040086 B2 20060509

DOCDB simple family (application)  
**EP 04010840 A 20040506**; CN 200410043254 A 20040514; JP 2003137748 A 20030515; US 82843604 A 20040421